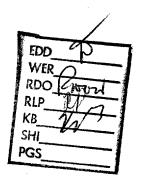
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NPIC/R-255/63 October 1963

PHOTOGRAPHIC INTERPRETATION REPORT

# IPIR MISSION 3230 10 OCTOBER 1963





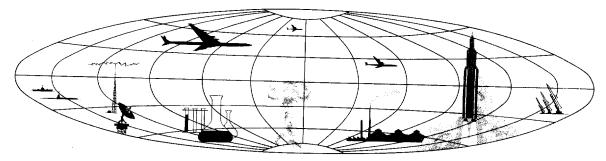


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### NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

IMMEDIATE PHOTOGRAPHIC INTERPRETATION REPORT

#### PREFACE:

THIS REPORT REPRESENTS THE PRELIMINARY INTERPRETATION OF MISSION 3230; FLOWN 10 OCTOBER 1963.

THIS REPORT DEALS PRIMARILY WITH THE HIGHEST PRIORITY INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST. HOWEVER, HIT ALSO INCLUDES OTHER SIGNIFICANT TARGETS OBSERVED DURING THE SCAN OF PHOTOGRAPHY. TARGETS ARE ARRANGED BY SUBJECT AND, WITHIN EACH SUBJECT, BY COMOR TARGET NUMBER, WHICH APPEARS AT THE END OF THE HEADER LINE. SIGNIFICANT TARGETS NOT IN THE COMOR TARGET LIST ARE INCLUDED UNDER THE APPROPRIATE SUBJECT FOLLOWING THE COMOR LISTED TARGETS.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS FOLLOWS — C (CLEAR), SC (SCATTERED CLOUDS), C (HEAVY CLOUDS), H (HAZE), CS (CLOUD SHADOW), SD (SEMIDARKNESS), O (OBLIQUITY), PQ (POOR IMAGE QUALITY).

-AIRFIELDS-	25X1A
NAGCHHU DZONG AIRFIELD 3133N Ø9143E	
14 NM NNW OF NAGCHHU DZONG. 6,030 X 245 FT E/W SOD RUNWAY, UNSERVICEABLE. SMALL SUPPORT AREA OBSERVED APPROXIMATELY 300 FT SOUTH OF AIRFIELD. AIRCRAFT — NONE OBSERVED.	
(SEE ATTACHMENT 1).	25X1D
	25X1A
LHASA AIRFIELD 3030N 09107E	
55 NM NORTH OF LHASA, ON NORTH SIDE OF THE	

TWO RUNWAYS ARRANGED IN A V-PLAN, ONE 10,200 X 200 FT

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NE/SW PROBABLE ASPHALT SURFACE, SERVICEABLE, AND THE SECOND 13,200 X 225 FT ENE/WSW PROBABLE ASPHALT SURFACE, POSSIBLY SERVICEABLE BUT PRESENTLY NOT IN A TAXIWAY LEADS TO A PARKING APRON OFF THE INC. END OF THE NE/SW RUNWAY. FACILITIES INCLUDE A SUPPORT AREA WITH 20 BUILDINGS (INCLUDING AN OPERATIONS BUILDING WITH CONTROL TOWER) AND, IMMEDIATELY EAST, A COMMUNICATION FACILITY WITH 2 SUB-AREAS. ONE CONTAINS 10 LARGE AND 9 SMALL STICKMAST ANTENNAE AND 3 CONTROL/SUPPORT BUILDINGS. THREE SMALL STICKMAST ANTENNAE AND 3 SUPPORT BUILDINGS OBSERVED IN SECOND SUB-AREA. A SECOND COMMUNICATION FACILITY OBSERVED 3 NM SW OF SUPPORT AREA WITH 3 STICKMAST ANTENNAE AND 3 CONTROL/SUPPORT BUILDINGS. A BARRACKS AREA CONTAINING 49 BUILDINGS AND 4 TRENCHES OBSERVED IMMEDIATELY SE OF SUPPORT AREA. SE OF BARRACKS AREA AND ACROSS THE TA-MU HO (RIVER) IS A WALLED STORAGE AREA CONTAINING 2 BUILDINGS, 26 QUONSET HUTS, AND A WALLED MOTOR POOL WITH 6 SIXTY-SEVEN TRUCKS OBSERVED IN VIGINITY.

	(SEE ATTACHMENT 2).	25X1D
GYANGTS	-ELECTRONICS- SE, RADAR SITE 2854N Ø8936E	25X1A
	ONE NM SOUTH OF GYANGTSE.  EARLY-WARNING RADAR SITE INCLUDES ONE SCR-270 RADAR,  ONE CONTROL VAN, ONE PROBABLE CROSS FORK RADAR ON  VAN, AND 2 TENTS.	 25X1D
GIRANG	-MILITARY ACTIVITY- DZONG ARMY BARRACKS 2828N Ø8516E	25X1A
	ONE NM NW OF GIRANG DZONG. TRAIL-SERVED STRONGPOINT CONTAINS FRESHLY DUG TRENCHES AND 5 PROBABLE BARRACKS.	25X1D

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NPIC/R-255/63 25X1A GYANGTSE ARMY BARRACKS 2857N Ø8938E SE SIDE OF GYANGTSE. MILITARY INSTALLATION COMPRISING 9 SEPARATE AREAS (6"SEPARATELY WALLED) INCLUDES 48 BARRACKS-TYPE BUILDINGS, 7 WAREHOUSES, 14 ADMINISTRATION-TYPE AND NUMEROUS OTHER BUILDINGS INCLUDING A POSSIBLE PRISON. SMALL PERSONNEL TRENCH WITH 16 FIRING BAYS OBSERVED ALONGSIDE ONE OF THE AREAS. TWO HIGH FREQUENCY RADIO STATIONS OBSERVED -- ONE . 25 NM SE OF GYANGISE INCLUDES 11 STICKMASTS AND ONE CONTROL BUILDING, AND THE OTHER .75 NM SE OF GYANGTSE INCLUDES 3 STICKMASTS AND ONE CONTROL BUILDING. TWO VEHICLES OBSERVED IN ONE OF THE AREAS. INCOMPLETE COVERAGE DUE TO PHOTO HOLIDAY. 25X1D 25X1A LHASA ARMY BARRACKS SOUTH THIP 2938N 09106E IMMEDIATELY SOUTH OF LHASA ON SOUTH BANK OF KYI CHHU (RIVER). WALLED AREA CONTAINS SEVERAL ADMINISTRATIVE-TYPE, APPROXIMATELY 20 BARRACKS, 15 STORAGE-TYPE, AND 30 OTHER BUILDINGS. TWENTY-THREE VEHICLES, 12 PROBABLE HOWITZERS, 23 FA PIECES (20 CANVAS-COVERED) AND 4 AAA PIECES OBSERVED IN AREA 25X1D 25X1A

LHASA ARMY BARRACKS SOUTHEAST PETTING 2937N Ø9115E

APPROXIMATELY 7 NM SE OF LHASA AND IMMEDIATELY SOUTH OF LHASA—DECHHEN DZONG HIGHWAY.

SECURED GARRISON CONTAINS APPROXIMATELY 75 BARRACKS, 50 POSSIBLE STORAGE, AND ONE ADMINISTRATION BUILDING, AND A DRILL FIELD. TWELVE VEHICLES OBSERVED IN AREA.

\_\_\_\_\_\_\_25X1A

LHASA ARMY BARRACKS W NORTU LINGKA 2939N Ø91Ø2E

IMMEDIATELY WEST OF LHASA.
MILITARY INSTALLATIONS IN AREA EXTEND FROM WEST EDGE
OF LHASA FOR A DISTANCE OF APPROXIMATELY 6 MILES

25X1D

	ALONG KYI CHHU (RIVER). EACH MILITARY INSTALLATION CONTAINS NUMEROUS BARRACKS, STORAGE, AND OTHER BUILDINGS. MILITARY HOSPITAL, ONE SMALL TENT AREA AND ONE TRANSPORTATION HEADQUARTERS ALSO OBSERVED IN VICINITAPPROXIMATELY 600 VEHICLES AND AN OCCUPIED 8-GUN AAAPPOSITION OBSERVED IN BARRACKS AREA.	ГУ.,	
			25X1D 25X1A
LHASA A	ARMY BARRACKS SOUTHWEST 2939N 09107E		
	SOUTH EDGE OF LHASA.  BARRACKS AREA CONTAINS 9 GUARD TOWERS, 67 BARRACKS, 8 ADMINISTRATIVE—TYPE BUILDINGS, MOTOR POOL, 71 SUPPORT BUILDINGS, OPEN STORAGE, 23 VEHICLES AND 6 PIECES.		
	PIECES:		25X1D
L			25X1A
TINGRI	DZONG MILITARY ACTIVITY 2835N Ø8638E	· <u>L</u>	
	APPROXIMATELY 16 TENTS IN TINGRI DZONG, A POSSIBLE WEATHER STATION ON WEST SIDE OF TOWN, AND A SMALL OSTORAGE AREA IMMEDIATELY EAST OF TOWN, OBSERVED, TWO POSSIBLE VEHICLES ON EAST EDGE OF TINGRI DZONG. FIVE ROAD CAMPS EACH CONTAINING 4 TO 5 TENTS AND SPACED AT INTERVALS OF APPROXIMATELY 3 NM OBSERVED ALONG ROAD LEADING WNW FROM TINGRI DZONG. EXTENSIVE IMPROVEMENT UNDERWAY ON ROAD FROM TINGRI DZONG WNW TO JONGKHA DZONG AND NE TO LHATSE DZONG.	REN	
[			25X1D
l			25X1A
YATUNG	ARMY BARRACKS 2728N Ø8854E		
	WSW EDGE OF YATUNG. FENCED BARRACKS AREA INCLUDES ONE ADMINISTRATIVE—TY 5 BARRACKS—TYPE, AND 12 ASSOCIATED BUILDINGS. ROADS AND TRAILS IN IMMEDIATE VICINITY APPARENTLY: IN GOOD CONDITION.	PE,	
			25X1D

25X1A

ZAMSAR AREA, REST AND REFUEL POINT 3008N 09033E

ON LHASA—NAGCHHU DZONG ROAD, 38 NM NW OF LHASA.
INSTALLATION ON BOTH SIDES OF ROAD COMPRISES 5 LARGE
WAREHOUSE—TYPE BUILDINGS, 13 PROBABLE BARRACKS, 13
PROBABLE QUONSET HUTS, APPROXIMATELY 20 SMALL
STORAGE/SUPPORT BUILDINGS, APPROXIMATELY 30 TENTS,
AND A WATER STANDPIPE. NUMEROUS UNIDENTIFIED PIECES
OF EQUIPMENT OBSERVED IN SW SECTION OF INSTALLATION.
TWENTY—FIVE CARGO TRUCKS OBSERVED.
SECURED STORAGE AREA, APPROXIMATELY 5 NM NORTH OF
INSTALLATION, CONTAINS PROBABLE POUR IN DRUMS,
UNIDENTIFIED OPEN STORAGE, AND 5 WAREHOUSE/SUPPORT
BUILDINGS.

25X1D 25X1A

ZHIKATSE ARMY BARRACKS 2915N Ø8853E

SIX AREAS WITHIN A 2 NM RADIUS OF ZHIKATSE.

AREA A (ADJACENT TO SE EDGE OF ZHIKATSE) -- SECURED. POSSIBLE HEADQUARTERS AREA WITH ONE LARGE U-SHAPED ADMINISTRATIVE, 14 BARRACKS, AND 3 SUPPORT BUILDINGS.

AREA B (.2 NM EAST OF AREA A) -- SECURED BARRACKS AREA WITH 23 BARRACKS 6 SUPPORT BUILDINGS 7 TENTS, AND ADJACENT OPEN STORAGE AREA WITH 5 TRUCKS.

AREA C (.75 NM SOUTH OF ZHIKATSE) -- ADMINISTRATIVE AREA WITH 14 BUILDINGS AND APPROXIMATELY 8 TRUCKS.

AREA D (1.5 NM SOUTH OF ZHIKATSE) -- 41 BARRACKS, 3 MESS HALLS, ONE ADMINISTRATIVE AND APPROXIMATELY 38 SUPPORT BUILDINGS, OPEN STORAGE AREA, AND 4 POSSIBLE VEHICLES.

AREA E (2 NM SOUTH OF ZHIKATSE) -- MOTOR POOL WITH 11 MEDIUM-TO-LARGE AND NUMEROUS SMALLER BUILDINGS AND APPROXIMATELY 23 TRUCKS.

AREA F (ADJACENT TO NORTH EDGE OF ZHIKATSE) -- SECURED BARRACKS AREA WITH 16 BARRACKS, APPROXIMATELY 31 TENTS, OPEN STORAGE, AND FOOTINGS FOR ONE POSSIBLE BARRACKS AND ONE LARGER TYPE BUILDING.

ROADS SW, SE, AND NNE FROM ZHIKATSE APPEAR IN GOOD CONDITION. MODERATE TRUCK TRAFFIC OBSERVED ON ROAD

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	TO NNE OF CHIKATSE.	
	TO THE OF LETTER TOE &	
		25X1D
		25X1A
VATIMA	40C1 NINETAGE CTGOUCDOINTS 27250 G00525	
YATUNG	AREA, MILITARY STRONGPOINTS 2725N Ø8852E	
	TWO MILITARY STRONGPOINTS SITUATED ON A TRAIL	
	APPROXIMATELY 5 NM SSW OF YATUNG.	
	NORTH STRONGPOINT CONTAINS TRENCH SYSTEM AND	
	APPROXIMATELY 7 UNIDENTIFIED BUILDINGS ENCLOSED BY	
	A FENCE OR WALL.	
	SOUTH STRONGPOINT APPROXIMATELY 10 UNIDENTIFIED	
	BUILDINGS ENCIRCLED BY A TRENCH SYSTEM.	
	A TRENCH SYSTEM OBSERVED ON A RIDGETOR APPROXIMATELY	
	4 NM EAST OF STRONGPOINTS.	
		25X1D
		23/10
		25X1A
*** ****	W	-
AN-IU-I	MAI-MA, BARRACKS AREA SW 3217N Ø9136E	
	THO AD FACENT ADDAG 2 NM CHI DD ANATHAMAS MA	
	TWO ADJACENT AREAS 3 NM SW OF ANTIU-MAI-MAI	
	NORTH AREA INCLUDES ONE H-SHAPED BUILDING, 55	
	BARRACKS, 3 STORAGE BUILDINGS, 9 STENTS, AND SEVERAL	
	SMALLER BUILDINGS. SHORT TRENCH SYSTEM AND 3	
	UNOCCUPIED AW POSITIONS OBSERVED ON WEST EDGE OF (AREA.	
	SOUTH AREA INCLUDES 15 BARRACKS/STORAGE BUILDINGS,	
	22 TENTS, SEVERAL SMALLER BUILDINGS, AND UNIDENTIFIED	
	OPEN STORAGE.	
	ROADS IN IMMEDIATE VICINITY ARE 2-LANE, GRADED,	
	APPARENTLY NATURAL SURFACE, SERVICEABLE.	
	A TOTAL OF 16 CARGO TRUCKS OBSERVED IN BARRACKS AREAS.	
ſ		25X1D
		05744
		25X1A
AN-TU-	MAI-MA; BARRACKS AREAS 3220N 09137E	
	18 NM NE OF AMDO TSONAG TSHO (LAKE) AND AT AN-TU-MAI-	
	MA. INCLUDES 2 WALLED AREAS, ONE CONTAINING 26	
	QUONSET HUTS, 4 BARRACKS-TYPE BUILDINGS, 2 SMALLER	
	BUILDINGS, AND POL DRUMS IN OPEN STORAGE. TWO CARGO	
	AND ONE UNIDENTIFIED TRUCK OBSERVED.	

6

SECOND AREA CONTAINS 2 BARRACKS, ONE LARGE STORAGE—BUILDING, 4 SMALL BUILDINGS, AND ONE BUILDING UNDER CONSTRUCTION. ROADS OBSERVED IN AREA ARE GRADED.

2-LANE, AND SERVICEABLE.

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28-37N Ø87-Ø4E. 1.5 NM SOUTH OF TOWN CONTAINS 7 TENTS

A SECOND CAMP AT 28-37N Ø87-Ø6E, 2.5 NM SE OF TOWN,

AND 13 TRUCKS.

CONTAINS 17 TENTS AND 17 TRUCKS.

25X1D

	25X1A
MENKHAP ME MILITARY AREA 2845N Ø861ØE	٤
7 NM SW OF MENKHAP ME ON ROAD TO TINGRI DZONO SIXTEEN TENTS AND ONE POSSIBLE TRUCK OBSERVED A CONVOY OF 20 VEHICLES HEADING NW OBSERVED WEST OF TOWN AT 28-49N 086-15E ON THE NEW TINGRI DZONG-JONGKHA DZONG ROAD.  EXTENSIVE ROAD IMPROVEMENT OBSERVED IN THE AL	)
	25X1D
	25X1A
ZHIKATSE-TINGRI DZONG ROAD 2915N Ø8853E	
SINGLE LANE, NATURAL SURFACE, SERVICEABLE (RO. DBSERVED FROM ZHIKATSE (29-15N Ø88-53E) TO T DZONG (28-34N Ø86-38E) WITH A TOTAL OF (87 VE) (60 HEADING WEST IN 2 CONVOYS BETWEEN 29-04N AND 29-08N Ø88-10E).	HICLES
	25X1D 25X1A
LHASANAGCHHU DZONG ROAD 2939N Ø91Ø6E	
ROAD OBSERVED FROM NAGGHHU DZONG TO LHASA WITTRUCKS SCATTERED ALONG THE ROUTE, ALL MOVING	TH 23 - SW.
	25X1D
NAGCHHU DZONGWEN-CHUAN (CHINA) ROAD 3130N 09200E	
SERVICEABLE GRADED 2-LANE, APPARENTLY NATURA ROAD OBSERVED FROM NAGCHHU DZONG (31-30N 092 TO WEN-CHUAN VICINITY AT 33-17N 091-54E. TWO HUNDRED AND TWENTY-FOUR CARGO TRUCKS OBSERVED SOUTH.	
	25X1D
NAGCHHU DZONGWEN-CHUAN ROAD, BRIDGE U/C : 3158N Ø9	)137E
36 NM NNW OF NAGCHHU DZONG.  FIFTY FOOT WOODEN DECK, SINGLE LANE BRIDGE,  STAGE OF CONSTRUCTION, OBSERVED ACROSS UNNAM  TWO CARGO TRUCKS OBSERVED FORDING RIVER IMME	TEU_KIVEK•

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EAST OF BRIDGE.	

25X1D

TINGRI DZONG - JONGKHA DZONG ROAD U/C 2833N Ø8638E

NEW ROAD CONSTRUCTION OBSERVED NW FROM TINGRI DZONG (28-33N Ø85-18E).

(28-33N Ø86-38E) TO JONGKHA DZONG (28-53N Ø85-18E).

TWELVE TENTS AT 28-44N Ø86-1ØE, 5 TRACTORS, 25 TRUCKS (2Ø IN CONVOY HEADING NW), AND 5 TENTS AT 28-49N Ø86-15E. THREE ADDITIONAL PROBABLE TRACTORS, 28-49N Ø86-15E. THREE ADDITIONAL PROBABLE TRACTORS.

(SEE ATTACHMENT 4).

19EE METHONISM

25X1D

#### COMPLEXES

LHASA COMPLEX 2939N Ø91Ø6E

COMPLEX. A MAJOR MILITARY AND TRANSPORTATION CENTER,
APPROXIMATELY 10 SQ MI IN AREA, INCLUDES 5 SEPARATE
LARGE MILITARY AREAS, SEVERAL HOUSING AND HOSPITAL
AREAS, NUMEROUS STORAGE AREAS, A LARGE TENT ENCAMPMENT
AREAS, NUMEROUS STORAGE AREAS, A LARGE TENT ENCAMPMENT
AREA UNDER CONSTRUCTION .5 NM NORTH OF LHASA WITH 8
AREA UNDER CONSTRUCTION .5 NM NORTH OF LHASA WITH 8
COMPLETED BUILDINGS AND 16 BUILDINGS STILL UNDER
CONSTRUCTION.

A TOTAL OF 12 PROBABLE HOWITZERS, 23 FA PIECES, AN A TOTAL OF 12 PROBABLE HOWITZERS, 23 FA PIECES, AN OCCUPIED 8-GUN AAA POSITION, 10 ADDITIONAL AAA GUNS, AND APPROXIMATELY 900 VEHICLES OBSERVED IN ALL MILITARY AREAS THROUGHOUT THE COMPLEX.

(SEE ATTACHMENT 5).

25X1D

25X1D

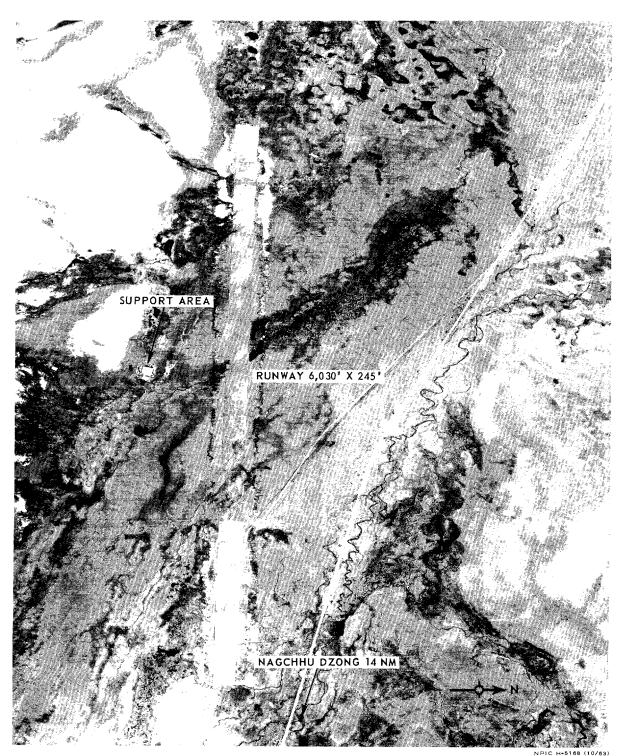
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#### -MISCELLANEOUS ACTIVITY-

LHASA HYDROELECTRIC POWER PLANT NA-CHIN : 2939N Ø9116E

9 NM EAST OF LHASA. HYDROELECTRIC POWER PLANT COMPRISES A GENERATOR HALL: WITH 5 PROBABLE GENERATORS. VISIBLE TAILRACE INDICATES PLANT IS PROBABLY ACTIVE. SUBSTATION OBSERVED ADJACENT TO PLANT. BUILDINGS INCLUDE 14:

LARGE BARRACKS/STORAGE AND 14 SMALE SUPPORT BUILDINGS. (SEE ATTACHMENT 6).



NAGCHHU DZONG AIRFIELD, TIBET



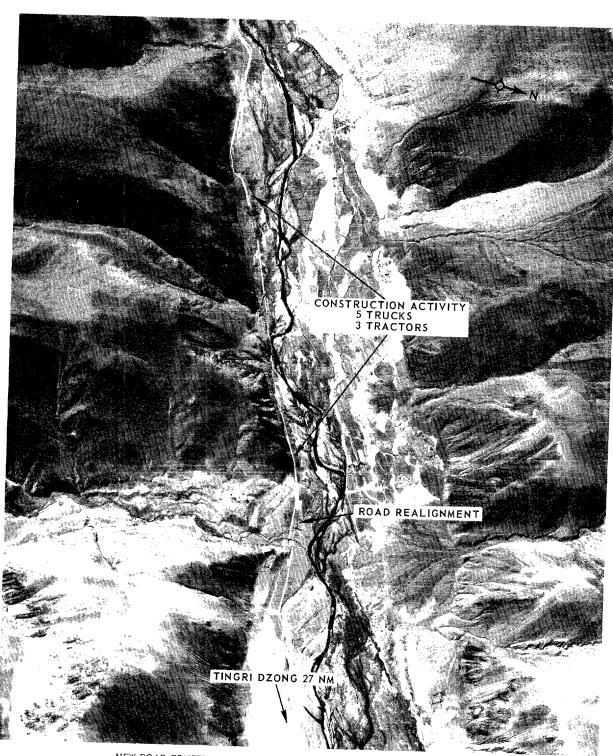


BRIDGE UNDER CONSTRUCTION ON NAGCHHU DZONG--WEN-CHUAN ROAD, TIBET

PIC H-5171 (10/ea)

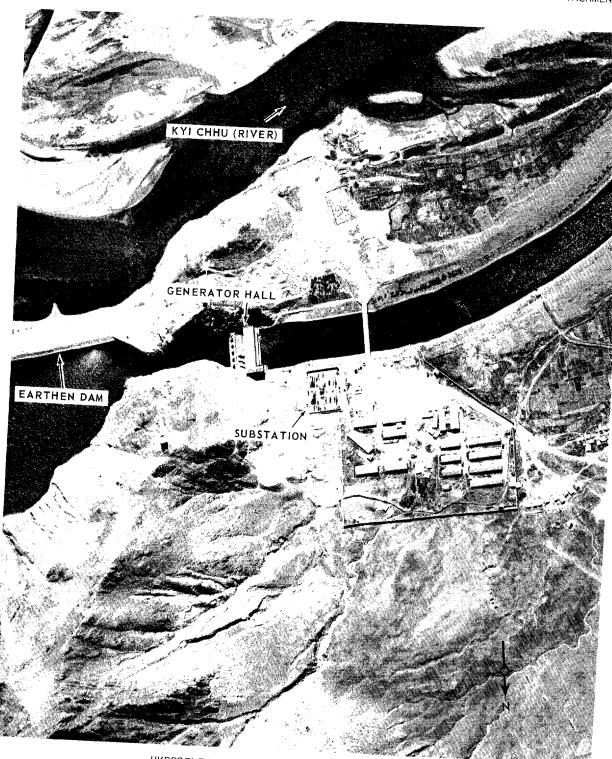
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NPIC/R-255/63 ATTACHMENT 4



NEW ROAD CONSTRUCTION, TINGRI DZONG--JONGKHA DZONG ROAD, TIBET





HYDROELECTRIC POWER PLANT NA-CHIN, LHASA, TIBET

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Base 26906 10-59

NPIC H-5136 (10/63)

INDIA

B URMA Mandalay

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PHILIPPINES

LUZON

APPROXIMATE TRACK OF MISSION 3230, 10 OCTOBER 1963

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MONGOLIA

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Boundaries and names are not r those recognized by the U.S. Go

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